

**EPA SLN TX-080019**

# Material to be added to an e-Jacket/Jacket

Reg. No. TK 080019 10 42

Description: Revised label - FPC

1. ☐ Placement within the e-Jacket/jacket:

☒ Default: (chronological, top = newest)

☐ File Location: (PDF page number, i.e., "before page 45")

2. ☐ Send to Data Extraction contractors this material:

☐ Newly stamped accepted label

☐ Notification

☐ New CSF

☐ Other: \_\_\_\_\_

3. Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer's Name: Hope Johnson

Phone: 5-5410 Division: RD

Date: 10/27/08

# TEXAS DEPARTMENT OF AGRICULTURE

TODD STAPLES  
COMMISSIONER



October 14, 2008

Ms. Barbara Purnell  
Document Processing Desk (SLN)  
Office of Pesticide Programs - H7504C  
U.S. Environmental Protection Agency  
Aerial Rios Building  
1200 Pennsylvania Ave. NW  
Washington, D.C. 20460

Dear Ms. Purnell:

Subject: Revised FIFRA Section 24(c)" Me-Too" label for Paraquat SL Herbicide, (EPA Reg. No. 82557-1) for harvest aid applications on cotton in Texas (except in the counties of Starr, Hidalgo, Willacy and Cameron).

Enclosed is a FIFRA Section 24(c) "Me-Too" label from Chemtura Corporation for the SLN registration of paraquat herbicide originally registered by Syngenta CropProtection as Gramoxone Max (EPA Reg. No. 100-1074) and then subsequently as Gramoxone Inteon EPA Reg. No. 100-1217). This label is identical to the Syngenta label in rates applied of lbs ai/acre. In addition, we are supplying you with copies of the federally registered product label for your information to support this registration.

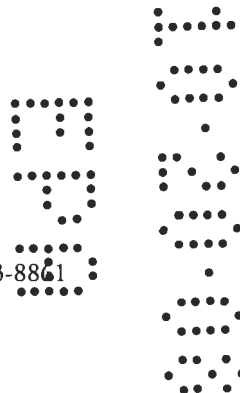
This proposed Me-Too SLN label will amend the federal label to authorize the use of Paraquat SL Herbicide as a harvest aid for cotton in Texas except in the following counties: Cameron, Starr, Hidalgo, and Willacy. This product label is registered as a trademark of Sinon USA Inc and will not be sold in Texas but will provide for the parent label for Chemtura's Firestorm product.

The Texas Department of Agriculture hereby approves this FIFRA Section 24(c) application as of this date, assigns EPA SLN No. TX-080019, and submits the revisions as per EPA..

Sincerely Yours,

A handwritten signature in black ink, appearing to read "Ambrose Charles", is written over a horizontal line.

Ambrose Charles  
Deputy Assistant Commissioner  
Pesticide Programs Division





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OCT 7 2008

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

OCT -7 2008

Ambrose Charles  
Deputy Assistant Commissioner  
Texas Department of Agriculture  
PO Box 12847  
Austin, TX 78711

Subject: Notice of Intent to Disapprove  
Paraquat SL Herbicide (EPA Reg. No. 82557-1) and  
Firestorm Herbicide (EPA Reg. 82557-1-400)  
EPA SLN Nos. TX080019 and TX080020

The State of Texas issued State Registrations, SLN Nos. TX-080019 and TX-080020, on July 7, 2008, under Section 24 (c) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, to Sinon USA Inc. and Chemtura Corporation. These registrations were issued for the application of the paraquat dichloride in/on cotton for harvest aid applications in Texas (except in the counties of Starr, Hidalgo, Willacy, and Cameron).

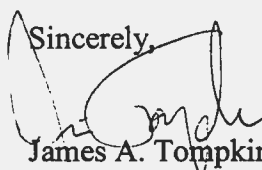
Decision

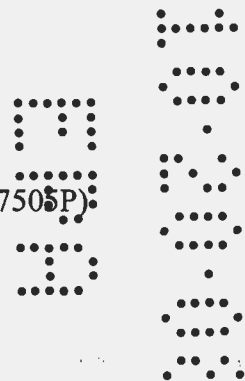
The Agency concludes that the Notice of Intent to Disapprove EPA SLN Nos. TX-080019 and TX-080020, which was dated July 28, 2008, is hereby withdrawn and that EPA SLN Nos. TX-080019 and TX-080020 are approved, provided you submit revised labeling including the following changes to both labels:

1. Revise "2 pints" to "32 fl ounces" on page 1.
2. Add "Up to" before the statement "Three multiple broadcast harvest aid applications of Paraquat SL [Firestorm] may be used."
3. Add the following restrictions to the "Additional Precautions, Restrictions and Comments" section:
  - a. "If multiple applications are made, allow 7 days between applications"
  - b. "Do not apply to cotton within 3 days before harvest"

If you have any questions, please contact Hope Johnson at 703-305-5410.

Sincerely,

  
James A. Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)





Form Approved, OMB No. 2070-0055

United States Environmental Protection Agency  
Office of Pesticide Programs, Registration Division (7505C)  
Washington, DC 20480Application for/Notification of State Registration  
of a Pesticide To Meet a Special Local Need  
(Pursuant to section 24(c) of the Federal Insecticide,  
Fungicide, and Rodenticide Act, as Amended)

For State Use Only

Registration No. Assigned  
TX-080019

Date Registration Issued

10-14-2008

1. Name and Address of Applicant for Registration Simon USA Inc. 1080 Carol Lane, Suite 264 Lafayette, CA94549		2. Product is (Check one) <input checked="" type="checkbox"/> EPA-Registered <input type="checkbox"/> New (not EPA-registered) <input type="checkbox"/> Attach EPA Form 8570-4, Confidential Statement of Formula for new products.		EPA Registration Number 82557-1
4. Product Name Paraquat SL Herbicide		3. Active Ingredient(s) in Product paraquat dichloride		EPA Company Number 82577
6. Type of Registration (Give details in Item 13 or on a separate page, properly identified and attached to this form): <input type="checkbox"/> a. To permit use of a new product. <input checked="" type="checkbox"/> b. To amend EPA registrations for one or more of the following purposes: <input type="checkbox"/> (1) To permit use on additional crops or animals. <input checked="" type="checkbox"/> (2) To permit use on additional sites. <input type="checkbox"/> (3) To permit use against additional pests. <input type="checkbox"/> (4) To permit use of additional application techniques or equipment. <input type="checkbox"/> (5) To permit use at different application times. <input type="checkbox"/> (6) Other (specify below)		7. Nature of Special Local Need (check one) <input checked="" type="checkbox"/> There is no pesticide product registered by EPA for such use. <input type="checkbox"/> There is no EPA-registered pesticide product which, under the conditions of use within the State, would be as safe and/or as efficacious for such use within the terms and conditions of EPA registration. <input type="checkbox"/> An appropriate EPA-registered pesticide product is not available.		
10. Has FIFRA section 24(c) registration for this use of the product ever, by another State, been (check appropriate box(es), if known): <input type="checkbox"/> Sought <input checked="" type="checkbox"/> Issued <input type="checkbox"/> Denied <input type="checkbox"/> Revoked If any of the above are checked, list State in Item 13 below. <input type="checkbox"/> No FIFRA section 24(c) Action		8. If this registration is an amendment to an EPA-registered product, is it for a "new use" as defined in 40 CFR 152.3? <input checked="" type="checkbox"/> Yes (discuss in Item 13 below) <input type="checkbox"/> No		
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		9. Has an EPA Registration or Experimental Use Permit for this chemical ever been (check applicable box(es), if known): <input type="checkbox"/> Sought <input type="checkbox"/> Issued <input type="checkbox"/> Denied <input type="checkbox"/> Cancelled <input type="checkbox"/> Suspended <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Experimental Use Permit <input type="checkbox"/> No Previous Permit Action		
Signature of Applicant or Authorized Representative <i>Theresa K. Hall for</i>		11. Endangered Species Act: (Give details in Item 13 or on a separate page, properly identified and attached to this form) Identify the counties where this pesticide will be used. If statewide, indicate "all." Provide a list of Federally protected endangered/threatened species which occur in the areas of proposed use.		
Title Michael R. Dupre, Registration Manager, NA		12. Indicate use status of Special Local Need, i.e., planned dates of use: From: <u>July 1st</u> To: <u>November 15th</u>		
Telephone Number 203-573-2462		13. Comments (attach additional sheet, if needed) SLN for harvest aid applications on cotton in Texas		
Date 10-14-08				
Determination by State Agency This registration is for a Special Local Need and is being issued in accordance with section 24(c) of FIFRA, as amended. To the best of our knowledge, the information above is correct, except as noted in "Comments" below or in attachments.				
Name, Title, and Address of State Agency Official Ambrose Charles Texas Dept. of Agriculture P.O. Box 12847 Austin, Texas 78711		Comments (by State Agency Only)		Received by EPA
Title Deputy Assist. Commissioner <i>Bryce A. [Signature]</i>				
Telephone Number 512 463- 7699		Date 10-14-2008		

**RESTRICTED USE PESTICIDE.**

Due to acute toxicity,

For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

**FIFRA Section 24(c) Supplemental Label  
PARAQUAT SL Herbicide™**

**FOR DISTRIBUTION AND USE  
ONLY WITHIN THE STATE OF TEXAS**

**EPA Reg. No. 82557-1**

**EPA SLN No. TX-080019**

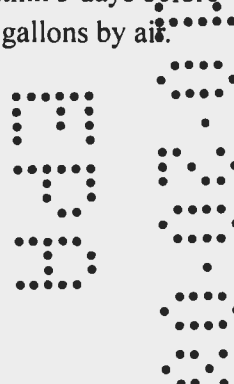
**FOR HARVEST AID APPLICATIONS ON COTTON IN TEXAS  
(EXCEPT IN THE COUNTIES OF STARR, HIDALGO, WILLACY, AND CAMERON)**

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- Follow all applicable directions, restrictions, and precautions, including statements pertaining to the Worker Protection Standards, on the EPA-registered product label.
- This label must be in the possession of the user at the time of application.

Failure to follow the directions for use and precautions on this label may result in poor pest control, crop injury, or illegal residues.

**DIRECTIONS FOR USE: Harvest Aid Applications on Cotton in Texas (except in the counties of Starr, Hidalgo, Willacy, and Cameron)**

Up to three multiple broadcast harvest aid applications of PARAQUAT SL may be used. **Do not exceed a total of 32 fluid ounces (fl. oz.) (0.75 lb. active ingredient) per acre per crop season.** If multiple applications are made, allow 7 days between applications. Do not apply to cotton within 3 days before harvest. Use a minimum total spray volume per acre of 10 gallons by ground, and 5 gallons by air.





Crop	PARAQUAT SL Rate per Acre	Precautions, Restrictions and Comments
Tank mixes with phosphate or chlorate defoliant	5.4 - 10.7 fl. oz. (0.13 to 0.25 lb a.i.) alone or tank mixed with 1½ - 2 gallons chlorate <u>or</u> 1½ - 2 pints phosphate	<ul style="list-style-type: none"> <li>• Do not harvest within 7 days of application when used with phosphate or chlorate defoliant.</li> <li>• In desert cotton areas or on rank vigorous cotton, use the 10.7 fl oz. (0.25 lb a.i.) rate of PARAQUAT SL.</li> <li>• Apply when 75% or more of the bolls are open and remaining bolls to be harvested are mature.</li> <li>• Development of immature bolls will be inhibited.</li> <li>• Follow the Harvest Aid Use Precautions listed on the Federal label.</li> </ul>
Tank mixes for boll opening and defoliation of Southern cotton	2.7 to 3.3 fl. oz. (0.06 to 0.08 lb a.i.)	<ul style="list-style-type: none"> <li>• To aid in defoliation and opening of mature bolls, PARAQUAT SL may be tank mixed with the following products: DEF® defoliant, Dropp® defoliant, Prep™ PGR, Folex® defoliant, Accelerate® defoliant</li> <li>• Apply when 60% or more of the bolls are open and remaining bolls to be harvested are mature.</li> <li>• Development of immature bolls will be inhibited.</li> <li>• Refer to tank mix product label for rate, directions, limitations and precautions.</li> </ul>
Harvest aid for defoliation and boll opening of stripper or spindle-harvested cotton	2.1 to 7.5 fl. oz. (0.05 to 0.18 lb a.i.)	<ul style="list-style-type: none"> <li>• Apply when 75% or more of the bolls are open and remaining bolls to be harvested are mature.</li> <li>• Development of immature bolls will be inhibited. Slice bolls and inspect the seed for maturity.</li> <li>• PARAQUAT SL may be applied alone or tank mixed with the cotton harvest aid products listed above.</li> <li>• To avoid leaf sticking, apply PARAQUAT SL as a desiccant approximately 3 to 7 days after defoliation or a conditioning application and 7 to 14 days before harvest.</li> <li>• Cooler temperatures may cause longer waiting period between application of PARAQUAT SL as a desiccant and a subsequent defoliation/conditioning treatment.</li> <li>• Lower rates in the range may be necessary south of I-10 in Texas where temperatures are typically higher during defoliation.</li> </ul>
Late season harvest aid desiccation of stripper cotton or spindle-harvested cotton	11.2 to 21 fl. oz. (0.26 to 0.49 lb a.i.)	<ul style="list-style-type: none"> <li>• Use to desiccate regrowth occurring after defoliation or desiccation.</li> <li>• Apply when 85% of the bolls are open and the remaining bolls to be harvested are mature.</li> <li>• Development of immature bolls will be inhibited. Slice bolls and inspect the seed for maturity.</li> <li>• To avoid leaf sticking, apply PARAQUAT SL as a desiccant approximately 3 to 7 days after defoliation or a conditioning application and 7 to 14 days before harvest.</li> <li>• Lower rates in the range may be necessary south of I-10 in Texas where temperatures are typically higher during defoliation.</li> </ul>
Desiccation of regrowth	11.2 to 21 fl. oz. (0.26 to 0.49 lb a.i.)	<ul style="list-style-type: none"> <li>• Use to desiccate regrowth occurring after defoliation or desiccation.</li> <li>• Regrowth is difficult to control, therefore, thorough coverage with the full recommended rate is necessary.</li> <li>• Control is dependent upon growing condition and desiccation of small new growth may not always be complete.</li> <li>• Use higher rate if regrowth is excessive.</li> </ul>

Refer to the PARAQUAT SL federal label for additional cotton recommended uses and nonionic surfactant recommendations.

**Additional Precautions, Restrictions and Comments:**

- Because of extremes in environmental and plant conditions, it is advisable to apply the range of rates on a small block of cotton to determine the rate that best fits your needs.
- Do not pasture lactating dairy animals.
- Do not pasture livestock in treated fields or feed treated foliage.
- When combined with phosphate defoliants, observe livestock precautions listed on the phosphate label.
- Do not apply to cotton within 3 days before harvest. Do not harvest within 7 days of application when used with phosphate or chlorate defoliants.

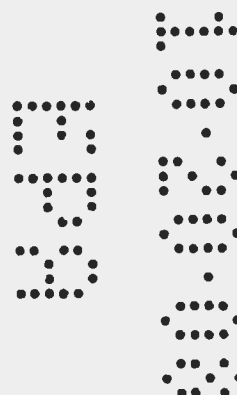
**Do not apply this product through any type of irrigation system.**

**This bulletin contains new or supplemental instructions for use of the product which may not appear on the package label.**

**24(c) REGISTRANT:**

Sinon USA Inc.  
1080 Carol Lane, Suite 264  
Lafayette, CA 94549

PARAQUAT SL Herbicide™ is a trademark of Sinon USA Inc.  
ACCELERATE® is a registered trademark of Cerexagri, Inc.  
DEF®, DROPP®, PREP™ are trademarks of Bayer CropScience  
FOLEX® is a registered trademark of AMVAC Chemical Corporation





NEW APPLICATIONS

DATE: 07-17-2008

FILE NUMBER: TX 08 0019

FEP (OPP IN ENTRY) Bj 07.17.2008  
(Initial & date)

FILE ROOM: \_\_\_\_\_  
(Initial & date)

SIG: Ac 7/18/08  
(Initial & date)

FILE ROOM: AC 7/20/08  
(Initial & date)

\_\_\_\_ ASSIGN TO PM 25 (NO DATA)

\_\_\_\_ JACKET TO SHELF (DATA)

# Receipt for Special Local Need

S. 632773

Regulatory Type: Special Local Need - Section 24c

Yes No

Application Type: New Registration

Check Yes No

Company: 02557 SIMON USA INC

V

Risk Manager: Registration Division Risk Management Team 25

SN Number: T080019

Product Name: PARAQUAT SL HERBICIDE

Parent Section: 02557-1

PARAQUAT SL HERBICIDE

Initials of Name

A

New Use: Yes No

Feed Use: Yes No

Application Date: 07-Jul-2008

ic

OPP Reg. ul Date: 16-Jul-2008

ic

Print End Date: 16-Jul-2008

ic

Risk Management Date: 17-Jul-2008

ic

FFS Due Date

Regulated Due Date

OPP Target Date

Receipt Content

Study

Receipt Description

Paraquat SL Herbicide/paraquat dichloride/Cotton/



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OCT 7 2008

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

OCT - 7 2008

Ambrose Charles  
Deputy Assistant Commissioner  
Texas Department of Agriculture  
PO Box 12847  
Austin, TX 78711

Subject: Notice of Intent to Disapprove  
Paraquat SL Herbicide (EPA Reg. No. 82557-1) and  
Firestorm Herbicide (EPA Reg. 82557-1-400)  
EPA SLN Nos. TX080019 and TX080020

The State of Texas issued State Registrations, SLN Nos. TX-080019 and TX-080020, on July 7, 2008, under Section 24 (c) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, to Sinon USA Inc. and Chemtura Corporation. These registrations were issued for the application of the paraquat dichloride in/on cotton for harvest aid applications in Texas (except in the counties of Starr, Hidalgo, Willacy, and Cameron).

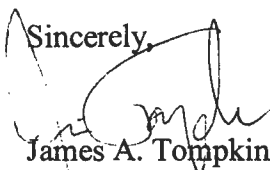
Decision

The Agency concludes that the Notice of Intent to Disapprove EPA SLN Nos. TX-080019 and TX-080020, which was dated July 28, 2008, is hereby withdrawn and that EPA SLN Nos. TX-080019 and TX-080020 are approved, provided you submit revised labeling including the following changes to both labels:

1. Revise "2 pints" to "32 fl ounces" on page 1.
2. Add "Up to" before the statement "Three multiple broadcast harvest aid applications of Paraquat SL [Firestorm] may be used."
3. Add the following restrictions to the "Additional Precautions, Restrictions and Comments" section:
  - a. "If multiple applications are made, allow 7 days between applications"
  - b. "Do not apply to cotton within 3 days before harvest"

If you have any questions, please contact Hope Johnson at 703-305-5410.

Sincerely,

  
James A. Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

September 30, 2008

**MEMORANDUM**

SUBJECT: Paraquat Dichloride on Cotton as a Defoliant.

PC Code: 061601

MRID No.: None

Petition No.: None

Assessment Type: Residue Chemistry

TXR No.: None

40 CFR §180.205

DP Barcode: D355035

Registration No.: TX080020

Regulatory Action: Special Local Need

Reregistration Case No.: 0262

CAS No.: 1910-42-5

FROM: Susan V. Hummel, Chemist, Branch Senior Scientist  
Reregistration Branch 4  
Health Effects Division (7509P)

*Susan V. Hummel*

THROUGH: Ray Kent, Branch Chief  
Reregistration Branch 4  
Health Effects Division (7509P)

*Ray Kent*

TO: Hope Johnson/Jim Tompkins PM#25  
Herbicide Branch  
Registration Division (7505P)

**I. CONCLUSIONS**

The SLN application for the use of paraquat dichloride, formulated as Firestorm®, as a harvest aid in cotton, is adequately supported by residue data. The existing tolerance for paraquat, calculated as the cation, on cotton, undelinted seed, of 0.5 ppm is unlikely to be exceeded. (40 CFR §180.205)

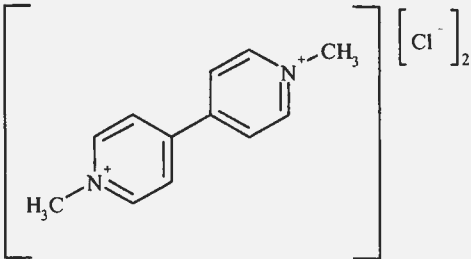
**II. ACTION REQUESTED**

Determine if adequate residue chemistry data are available to support the requested use of paraquat as a harvest aid on cotton at an increased use rate of 0.75 lb ai/A/year, compared to the Section 3 maximum use rate of 0.50 lb ai/A/year in the State of Texas. No Residue Chemistry data were included in this submission.

### III. BACKGROUND

Paraquat dichloride is been registered for use on cotton, including use as a harvest aid. The currently registered use is shown in Table A. The maximum application rate as a harvest aid for the Section 3 registrations is 0.5 lb ai/A. The PC Code, nomenclature, and chemical structure of paraquat dichloride are listed below in Table 1. The physicochemical properties of paraquat dichloride are listed in Table 2.

**Table 1. Nomenclature of Paraquat Dichloride.**

Compound	
Common name	Paraquat dichloride
IUPAC name	1,1'-dimethyl-4,4'-bipyridinium dichloride
CAS name	1,1'-dimethyl-4,4'-bipyridinium dichloride
CAS registry number	1910-42-5 (4685-14-7 for the cation)
End-use product (EP)	2.0 lb paraquat cation/gal SC (Gramoxone Inteon; EPA Reg. No. 100-1217)

**Table 2. Physicochemical Properties of Technical Grade Paraquat Dichloride.**

Parameter	Value	Reference
Melting point/range	decomposes at ca. 340 °C	Product Chemistry Chapter of the Paraquat Dichloride Update, 10/10/91
pH	6.4 at 20 °C	
Density	1.5 g/cm <sup>3</sup> at 25 °C	
Water solubility (20 °C)	freely soluble in water: 618-620 g/L at pH 5.2, 7.2, and 9.2	
Solvent solubility (20 °C)	<0.1 g/L in acetone, dichloromethane, toluene, ethyl acetate, and hexane; 143 g/L in methanol	
Vapor pressure	<<10 <sup>-8</sup> kPa at 25 °C	
Octanol/water partition coefficient, Log(K <sub>OW</sub> )	log K <sub>OW</sub> = -4.5 at 20 °C	
Dissociation constant, pK <sub>a</sub>	N/A	
UV/visible absorption spectrum	Not available	

A Reregistration Eligibility Document has been completed for paraquat dichloride in 08/1997, and is available on OPP's web page. The HED Chapter for the RED was completed December 19, 1995. The Residue Chemistry Chapter for the RED was completed 7/28/1995 (D. Miller, DP Barcode 217262).

A tolerance for residues of paraquat, calculated as the cation, on cotton, undelinted seed, of 0.5 ppm has been established to cover use of paraquat dichloride on cotton. (40 CFR §180.205). The RED required a tolerance for residues of paraquat on cotton, gin byproducts, along with supporting residue data. The required data have been submitted and reviewed (D. Dotson, 7/30/2006, DP Barcode 327806). These data included the higher application rate requested for this 24(c).

The requested 24(c) registration, TX080020, uses the supplementally registered product Firestorm®, EPA Reg. No. 82557-1-400, which is based on the registered product, Paraquat SL Herbicide, EPA Reg. No. 82557-1, registered to Sinon USA, listed in OPPIN as an Emulsifiable Concentration formulation.

#### **IV. RESULTS/DISCUSSION**

The use proposed in this 24(c) application and the currently registered uses of paraquat dichloride on cotton are summarized in Appendix A of this document.

No residue data were included in this submission. Residue data for paraquat dichloride on cotton were last reviewed by D. Dotson in his memo of 7/31/2006, DP#327806.

HED previously concluded (D. Dotson, 7/31/2006, DP#327806) that adequate geographically representative field trial data have been submitted for cotton. The submitted crop field trial data support the following use pattern:

For cotton, a maximum seasonal rate of 3.0 lb ai/A, as a single preemergence application at 1.25 lb ai/A, two postemergence directed applications at 0.5 lb ai/A/application, and three defoliation applications at a total of 0.75 lb ai/A; with a retreatment interval of 14 days for postemergence applications and 7 days for defoliation applications. Samples were collected after a 3 day PHI.

HED previously concluded (D. Dotson, 7/31/2006, DP#327806) that adequate spectrophotometric analytical methods were available in PAM II to enforce the paraquat tolerance on cotton. The submitted residue data were adequately supported by storage stability data. An analytical standard for paraquat dichloride is currently available in the National Pesticide Standards Repository. And that the residues from the proposed use for this 24(c) application will not exceed the now established tolerance.



**TABLE A. FOOD/FEED USE PATTERNS SUBJECT TO REREGISTRATION FOR PARAQUAT DICHLORIDE (CASE 0262).**

Site	Application Type Application Timing Application Equipment	Formulation [EPA Reg. No.]	Maximum Single Application Rate (cation)	Maximum Number of Applications	Minimum Retreatment Interval (Days)	Use Limitations <sup>a,b</sup>
<b>Cotton- use proposed in TX080020</b>						
	Broadcast Harvest Aid Ground or aerial equipment	4.14 lb./gal SC/L [TX080020]	0.18 lb/A	3	7 days	Apply alone or as tank mix when 75% or more of bolls are open and remaining bolls to be harvested are mature. Use lower rate south of I-10. A 7-day PHI is in effect. Do not apply more than 0.75 lb ai/A/season as harvest aid.
	Broadcast Harvest Aid Ground or aerial equipment	4.14 lb./gal SC/L [TX080020]	0.49 lb/A	3	7 days	Apply alone or as tank mix when 85% or more of bolls are open and remaining bolls to be harvested are mature. Use lower rate south of I-10. A 7-day PHI is in effect. . Do not apply more than 0.75 lb ai/A/season
<b>Cotton-registered uses</b>						
	Broadcast Preplant or preemergence Ground or aerial equipment	1.5 lb/gal SC/L [10182-103] 2 lb/gal SC/L [10182-111] 2.5 lb/gal SC/L [10182-280] 3 lb/gal SC/L [10182-372] 29.42% SC/L [10182-120]	1 lb/A	NS	NS	Apply alone or as a tank mix with other herbicides in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. A 12-hour REI has been established.
	Directed shield or hooded spray Postemergence Ground equipment	2.5 lb/gal SC/L [AL940005] [AR950002] [GA940006] [TN940008]	0.625 lb/A	NS	NS	Use limited to AL, or AR, or GA, or TN. Apply in a minimum spray volume of 20 gal/A. No PHI or maximum seasonal rate has been established.

Site	Application Type Application Timing Application Equipment	Formulation [EPA Reg. No.]	Maximum Single Application Rate (cation)	Maximum Number of Applications	Minimum Retreatment Interval (Days)	Use Limitations <sup>a,b</sup>
	Harvest aid (boll opening) Ground or aerial equipment	2 lb/gal SC/L [NM940003] [OK940004] [TX940011]	0.25 lb/A  0.33 lb/A (in desert areas or on rank vigorous cotton)	3	NS	Use limited to NM, OK, and TX. Apply when 75% or more of the bolls are open, alone or as a tank mix with phosphate or chlorate in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Lactating dairy animals and livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A 7-day PHI has been established when used with phosphate or chlorate. A maximum seasonal rate of 0.75 lb cation/A is in effect.
	Harvest aid (boll opening and defoliation) Ground or aerial equipment	1.5 lb/gal SC/L [10182-103] 2 lb/gal SC/L [10182-111] 2.5 lb/gal SC/L [10182-280] 3 lb/gal SC/L [10182-372]	0.13 lb/A	2	NS	Apply when 80% or more of the bolls are open as a tank mix use with phosphate or chlorate in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A 7-day PHI has been established when used with phosphate or chlorate. A 48-hour REI has been established. A maximum seasonal rate of 0.5 lb cation/A is in effect.

Site	Application Type Application Timing Application Equipment	Formulation [EPA Reg. No.]	Maximum Single Application Rate (cation)	Maximum Number of Applications	Minimum Retreatment Interval (Days)	Use Limitations <sup>a,b</sup>
	Harvest aid (boll opening and defoliation) Ground or aerial equipment	1.5 lb/gal SC/L [10182-103] 2 lb/gal SC/L [10182-111] 2.5 lb/gal SC/L [10182-280] 3 lb/gal SC/L [10182-372]	0.13 lb/A (first application)  0.25 lb/A (second application)	2	NS	Use limited to western cotton in AZ and CA. Make the first application when 60% or more of the bolls are open and the second application when 75% or more of the bolls are open. Apply alone or as a tank mix with phosphate or chlorate in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A 7-day PHI (tank mix use) and a 3-day PHI (alone) have been established. A 48-hour REI has been established. A maximum seasonal rate of 0.5 lb cation/A is in effect.
	Harvest aid (boll opening and defoliation) Ground or aerial equipment	2 lb/gal SC/L [NM940003] [OK940004] [TX940011]	0.09 lb/A (on southern cotton)	3	NS	Tank mix use limited to NM, OK, and TX. Apply when 60% or more of the bolls are open in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Lactating dairy animals and livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A maximum seasonal rate of 0.75 lb cation/A is in effect.
		1.5 lb/gal SC/L [10182-103] 2 lb/gal SC/L [10182-111] 2.5 lb/gal SC/L [10182-280] 3 lb/gal SC/L [10182-372]	0.07-0.09 lb/A (on southern cotton)	2	NS	Tank mix use. Apply when 60% or more of the bolls are open in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A 48-hour REI has been established. A maximum seasonal rate of 0.5 lb cation/A is in effect.

Site	Application Type Application Timing Application Equipment	Formulation [EPA Reg. No.]	Maximum Single Application Rate (cation)	Maximum Number of Applications	Minimum Retreatment Interval (Days)	Use Limitations <sup>a,b</sup>
Cotton (continued)						
	Harvest aid (boll opening and defoliation) Ground or aerial equipment	2 lb/gal SC/L [NM940003] [OK940004] [TX940011]	0.17 lb/A (of stripper or spindle harvested cotton)	3	NS	Use limited to NM, OK, and TX. Apply when 75% or more of the bolls are open, alone or as a tank mix in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Lactating dairy animals and livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A maximum seasonal rate of 0.75 lb cation/A is in effect.
		1.5 lb/gal SC/L [10182-103] 2 lb/gal SC/L [10182-111] 2.5 lb/gal SC/L [10182-280] 3 lb/gal SC/L [10182-372]	0.17 lb/A (of stripper or spindle harvested cotton)	2	NS	Apply when 75% or more of the bolls are open, alone or as a tank mix with other harvest aids in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A 3-day PHI and a 48-hour REI have been established. A maximum seasonal rate of 0.5 lb cation/A is in effect.
	Harvest aid (post defoliation to aid in boll opening and desiccation of green weeds) Ground or aerial equipment	1.5 lb/gal SC/L [10182-103] 2 lb/gal SC/L [10182-111] 2.5 lb/gal SC/L [10182-280] 3 lb/gal SC/L [10182-372]	0.5 lb/A	2	NS	Use prohibited in AZ and CA. Apply when 75% or more of the bolls are open in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A 3-day PHI and a 48-hour REI have been established. A maximum seasonal rate of 0.5 lb cation/A is in effect.
Cotton (continued)						

Site	Application Type Application Timing Application Equipment	Formulation [EPA Reg. No.]	Maximum Single Application Rate (cation)	Maximum Number of Applications	Minimum Retreatment Interval (Days)	Use Limitations <sup>a,b</sup>
	Harvest aid (desiccation) Ground or aerial equipment	1.5 lb/gal SC/L [10182-103] 2 lb/gal SC/L [10182-111] 2.5 lb/gal SC/L [10182-280] 3 lb/gal SC/L [10182-372]	0.5 lb/A (of stripper or spindle harvested cotton)	2	NS	Apply when 85% or more of the bolls are open in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A 3-day PHI and a 48-hour REI have been established. A maximum seasonal rate of 0.5 lb cation/A is in effect.
	Harvest aid (desiccation) Ground or aerial equipment	2 lb/gal SC/L [NM940003] [OK940004] [TX940011]	0.5 lb/A (of stripper or spindle harvested cotton)	3	NS	Use limited to NM, OK, and TX. Apply when 85% or more of the bolls are open, in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Lactating dairy animals and livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A maximum seasonal rate of 0.75 lb cation/A is in effect.
		2 lb/gal SC/L [TX810032]	0.5 lb/A (of stripper harvested cotton)	NS	NS	Tank mix use limited to TX. Apply when 85% or more of the bolls are open in a spray volume of 10-30 gal/A by ground or 5-10 gal/A by air. A 3-day PHI has been established.
		2 lb/gal SC/L [NM940003] [OK940004] [TX940011]	0.5 lb/A (of regrowth)	3	NS	Use limited to NM, OK, and TX. Apply in a spray volume of 10 gal/A by ground or 5 gal/A by air. Lactating dairy animals and livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A maximum seasonal rate of 0.75 lb cation/A is in effect.

Site	Application Type Application Timing Application Equipment	Formulation [EPA Reg. No.]	Maximum Single Application Rate (cation)	Maximum Number of Applications	Minimum Retreatment Interval (Days)	Use Limitations <sup>a,b</sup>
	Harvest aid (desiccation) Ground or aerial equipment	1.5 lb/gal SC/L [10182-103] 2 lb/gal SC/L [10182-111] 2.5 lb/gal SC/L [10182-280] 3 lb/gal SC/L [10182-372]	0.25-0.5 lb/A (of regrowth)	NS	NS	Use of the 1.5 and 2 lb/gal SC/L formulations is not permitted in CA. Apply in a minimum spray volume of 10 gal/A by ground or 5 gal/A by air. Livestock may not be pastured in treated areas. The feeding of treated foliage is prohibited. A 3-day PHI and a 48-hour REI have been established. A maximum seasonal rate of 0.5 lb cation/A is in effect.

<sup>a</sup> REI = Reentry interval; and PHI = Preharvest interval. All applications must be made using a non-ionic surfactant or crop oil concentrate. The RED required the registrant to specify the maximum number of applications per growing season (or maximum seasonal rate) that may be allowed for any crop with registered postemergence use.

<sup>b</sup> The following rotational crop restrictions have been established for the 7.84% SC/L (EPA Reg. No. 10182-134) formulation: (i) Corn, cotton, soybean, potatoes, safflower, and grain or forage sorghum treated with Concep II may be replanted immediately; (ii) Barley or wheat may be planted 4.5 months following treatment. Corn, cotton, soybeans, peanuts, potatoes, safflower, sorghum, pod crops, root crops, barley, buckwheat, milo, oats, rice, rye, or wheat may be planted in the spring following treatment; grazing or feeding of forage or fodder from cotton is prohibited. All other rotational crops may be planted 18 months after application; and (iii) Corn, cotton, soybeans, peanuts, potatoes, safflower, sorghum or pod crops may be planted in the spring following a lay-by treatment or multiple treatments applied the previous season. All other rotational crops may be planted 18-months after a lay-by application.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

JUL 28 2008

Ambrose Charles  
Deputy Assistant Commissioner  
Texas Department of Agriculture  
PO Box 12847  
Austin, TX 78711

Subject: Notice of Intent to Disapprove  
Paraquat SL Herbicide (EPA Reg. No. 82557-1) and  
Firestorm Herbicide (EPA Reg. 82557-1-400)  
EPA SLN Nos. TX080019 and TX080020

The State of Texas issued State Registrations, SLN Nos. TX-080019 and TX-080020, on July 7, 2008, under Section 24 (c) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, to Sinon USA Inc. and Chemtura Corporation. These registrations were issued for the application of the paraquat dichloride in/on cotton for harvest aid applications in Texas (except in the counties of Starr, Hidalgo, Willacy, and Cameron).

Decision

The Agency concludes that SLN Nos. TX-080019 and TX-080020 may be disapproved for the reasons provided below. If the state can satisfy the Agency's concerns set forth below, this notification may be withdrawn. Therefore, you should take immediate steps to consult with the appropriate Agency designee identified below and respond to this notice.

Reasons for Disapproval

The requested increase of the maximum seasonal application rate for cotton harvest aid uses from 0.5 lb ai/A to 0.75 lb ai/A was not supported with any additional residue data in these submissions, nor was an explanation as to why there is no need for any residue data submitted in support of these requests.

Response

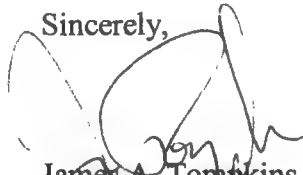
You should respond to the deficiencies described above in writing within ten days of receipt of this notice. You may also request a consultation with the Agency prior to a final disapproval decision. Failure to respond in a timely and adequate manner may result in disapproval of EPA SLN Nos. TX-080019 and TX-080020.

Page 2

EPA SLN Nos. TX-080019 and TX-080020

If you have any questions, please contact Hope Johnson at 703-305-5410.

Sincerely,

A handwritten signature in black ink, appearing to read 'James A. Tompkins', written over the printed name.

James A. Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

# Receipt for Special Local Need

652773

Regulatory Type: Special Local Need - Section 24c

Yes No

Application Type: New Registration

End Use: Yes No

Company: 87557 SINON USA INC

V

Risk Manager: Registration Division, Risk Management Team 25

SLN Number: 0000010

Product Name: PARAQUAT SL HERBICIDE

Parent Section3: 00007-1

PARAQUAT SL HERBICIDE

Nature Of Need

A

New Use: Yes No

Field Use: Yes No

Application Date: 07-Jul-2008

ld

OPP Rec'd Date: 16-Jul-2008

ld

Front End Date: 16-Jul-2008

ld

Risk Manager Send Date: 17-Jul-2008

ld

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Receipt Contact:

Study

Receipt Description:

Paraquat SL Herbicide/paraquat dichloride/Cotton/

F:

STATE: TEXASSLN N TX 080019DATE REGISTERED: 07-07-200890-DAY DATE: 10-07-2008

SPECIFIC SPECIAL LOCAL NEED: \_\_\_\_\_

SITE: \_\_\_\_\_

PEST/PROBLEM: \_\_\_\_\_

1. Is the State certified to issue this type of registration? \_\_\_\_\_
2. Was the EPA Application/Notification Form submitted? \_\_\_\_\_
3. Was all the required information included on the form? \_\_\_\_\_
4. Was a confidential formula submitted (for new products)? \_\_\_\_\_
5. Is this registration for a "CHANGED USE PATTERN"? \_\_\_\_\_
6. Has an FR document been prepared for this "CHANGED USE PATTERN"? \_\_\_\_\_
7. Tolerances required? \_\_\_\_\_ Established? \_\_\_\_\_ Citation: \_\_\_\_\_
8. Full labeling being used? \_\_\_\_\_ Supplemental directions? \_\_\_\_\_
9. Does label state "FOR DISTRIBUTION AND USE ONLY WITHIN (State)"? \_\_\_\_\_
10. Does full label comply with 40 CFR 162.10, as follows:
- a. Product name, brand or trademark? \_\_\_\_\_
  - b. Name and address of registrant? \_\_\_\_\_
  - c. Net contents? \_\_\_\_\_
  - d. Product registration number? \_\_\_\_\_
  - e. Producing establishment number? \_\_\_\_\_
  - f. Ingredient statement? \_\_\_\_\_
  - g. Precautionary labeling? \_\_\_\_\_
  - h. Directions for use for special local need? \_\_\_\_\_
  - i. Use classification? \_\_\_\_\_

Was proper format followed? \_\_\_\_\_

11. Is supplemental directions for use labeling satisfactory? \_\_\_\_\_
12. Was supplemental labeling compared with EPA-registered label? \_\_\_\_\_

COMMENTS: \_\_\_\_\_

1 SLN No TX 08 00 9 2 PM 25 3 Action Code \_\_\_\_\_

4 State Issue Date

0	7	0	7	0	8
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5 Date received by EPA

0	7	1	6	0	8
---	---	---	---	---	---

6 Date received by PM

--	--	--	--	--	--

7 Chemical name \_\_\_\_\_

8 Chemical code 2

9 Use \_\_\_\_\_

10. Reviews requested:

	Date Sent	Due Date	Date Returned	Response Code	Response Date
HED					
EFB					
RCB					
EEB					
TB					
RD					
PM					
.S					
Precaut. Labeling					
Chemistry					
Efficacy					

11. Status \_\_\_\_\_

12. FINAL ACTION Response code \_\_\_\_\_

Response date 

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United States Environmental Protection Agency  
Office of Pesticide Programs, Registration Division (7505C)  
Washington, DC 20460

**Application for/Notification of State Registration  
of a Pesticide To Meet a Special Local Need**  
(Pursuant to section 24(c) of the Federal Insecticide,  
Fungicide, and Rodenticide Act, as Amended)

For State Use Only

Registration No. Assigned

TX-080019

Date Registration Issued

July 7, 2008

## 1. Name and Address of Applicant for Registration

Sinon USA Inc.  
1080 Carol Lane, Suite 264  
Lafayette, CA 94549

## 2. Product is (Check one)

EPA-Registered



EPA Registration Number

82557-1

New (not EPA-registered)

Attach EPA Form 8570-4, Confidential Statement of  
Formula for new products.

EPA Company Number

82557

## 3. Active Ingredient(s) in Product

paraquat dichloride

## 4. Product Name

Paraquat SL Herbicide

5. If this is a food/feed use, a tolerance or other residue clearance is  
required. Cite appropriate regulations in 40 CFR Part 180, 185, and/or  
186. Food & Feed Use

6. Type of Registration (Give details in Item 13 or on a separate  
page, properly identified and attached to this form):☐ a. To permit use of a new product.☒ b. To amend EPA registrations for one or more of the following purposes:☐ (1) To permit use on additional crops or animals.☒ (2) To permit use at additional sites.☐ (3) To permit use against additional pests.☐ (4) To permit use of additional application techniques or equipment.☐ (5) To permit use at different application rates.☐ (6) Other (specify below)

## 7. Nature of Special Local Need (check one)

☒ There is no pesticide product registered by EPA for such use.☐ There is no EPA-registered pesticide product which, under the conditions of use within  
the State, would be as safe and/or as efficacious for such use within the terms and  
conditions of EPA registration.☐ An appropriate EPA-registered pesticide product is not available.8. If this registration is an amendment to an EPA-registered product, is it  
for a "new use" as defined in 40 CFR 152.3?☒ Yes (discuss in Item 13 below)☐ No9. Has an EPA Registration or Experimental Use Permit for this chemical ever been  
(check applicable box(es), if known):☐ Sought☐ Issued☐ Denied☐ Cancelled☐ Suspended☒ Registration☐ Experimental Use Permit☐ No Previous Permit Action11. Endangered Species Act: (Give details in Item 13 or on a separate page,  
properly identified and attached to this form)

Identify the counties where this pesticide will be used. If Statewide, indicate "all."  
Provide a list of Federally protected endangered/threatened species which occur in  
the areas of proposed use.

12. Indicate use status of Special Local Need, i.e., planned dates of  
use:

From: June 15 To: October 30th

## 13. Comments (attach additional sheet, if needed)

SLN for harvest aid applications on cotton in Texas

10. Has FIFRA section 24(c) registration for this use of the  
product ever, by another State, been (check appropriate  
box(es), if known):☐ Sought☒ Issued☐ Denied☐ Revoked

If any of the above are checked, list States in Item 13 below.

☐ No FIFRA section 24(c) Action

## Certification

I certify that the statements I have made on this form and all attachments  
thereto are true, accurate, and complete. I acknowledge that any  
knowingly false or misleading statement may be punishable by fine or  
imprisonment or both under applicable law.

## Signature of Applicant or Authorized Representative

*Theresa K. Hais for*  
Title *Michael R. Kupre*  
Registration Manager, North America

Telephone Number  
(203) 573-2462

Date  
3-18-08

## Determination by State Agency

This registration is for a Special Local Need and is being issued in accordance with section 24(c) of FIFRA, as amended. To the best of our  
knowledge, the information above is correct, except as noted in "Comments" below or in attachments.

Name, Title, and Address of State Agency Official  
Ambrose Charles  
Texas Department of Agriculture  
12847 P.O. Box  
Austin, TX 78711

## Comments (by State Agency Only)

## Received by EPA

Title *Brad*  
Deputy Assistant Commissioner

Telephone Number  
512 463-7699

Date  
7-7-2008





United States Environmental Protection Agency  
Office of Pesticide Programs, Registration Division (7505C)  
Washington, DC 20460

**Application for/Notification of State Registration  
of a Pesticide To Meet a Special Local Need**  
(Pursuant to section 24(c) of the Federal Insecticide,  
Fungicide, and Rodenticide Act, as Amended)

For State Use Only  
Registration No. Assigned  
TX-080019  
Date Registration Issued  
July 7, 2008

<b>1. Name and Address of Applicant for Registration</b> Sinon USA Inc. 1080 Carol Lane, Suite 264 Lafayette, CA 94549		<b>2. Product is (Check one)</b> EPA-Registered <input checked="" type="checkbox"/> New (not EPA-registered) <input type="checkbox"/> Attach EPA Form 8570-4, Confidential Statement of Formula for new products.		EPA Registration Number 82557-1  EPA Company Number 82557
<b>4. Product Name</b> Paraquat SL Herbicide		<b>3. Active Ingredient(s) in Product</b> paraquat dichloride		
<b>6. Type of Registration (Give details in Item 13 or on a separate page, properly identified and attached to this form):</b> <input type="checkbox"/> a. To permit use of a new product. <input checked="" type="checkbox"/> b. To amend EPA registrations for one or more of the following purposes: <input type="checkbox"/> (1) To permit use on additional crops or animals. <input checked="" type="checkbox"/> (2) To permit use at additional sites. <input type="checkbox"/> (3) To permit use against additional pests. <input type="checkbox"/> (4) To permit use of additional application techniques or equipment. <input type="checkbox"/> (5) To permit use at different application rates. <input type="checkbox"/> (6) Other (specify below)		<b>5. If this is a food/feed use, a tolerance or other residue clearance is required. Cite appropriate regulations in 40 CFR Part 180, 185, and/or 186. Food &amp; Feed Use</b>  <b>7. Nature of Special Local Need (check one)</b> <input checked="" type="checkbox"/> There is no pesticide product registered by EPA for such use. <input type="checkbox"/> There is no EPA-registered pesticide product which, under the conditions of use within the State, would be as safe and/or as efficacious for such use within the terms and conditions of EPA registration. <input type="checkbox"/> An appropriate EPA-registered pesticide product is not available.		
<b>10. Has FIFRA section 24(c) registration for this use of the product ever, by another State, been (check appropriate box(es), if known):</b> <input type="checkbox"/> Sought <input checked="" type="checkbox"/> Issued <input type="checkbox"/> Denied <input type="checkbox"/> Revoked If any of the above are checked, list States in Item 13 below. <input type="checkbox"/> No FIFRA section 24(c) Action		<b>8. If this registration is an amendment to an EPA-registered product, is it for a "new use" as defined in 40 CFR 152.3?</b> <input checked="" type="checkbox"/> Yes (discuss in Item 13 below) <input type="checkbox"/> No <b>9. Has an EPA Registration or Experimental Use Permit for this chemical ever been (check applicable box(es), if known):</b> <input type="checkbox"/> Sought <input type="checkbox"/> Issued <input type="checkbox"/> Denied <input type="checkbox"/> Cancelled <input type="checkbox"/> Suspended <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Experimental Use Permit <input type="checkbox"/> No Previous Permit Action		
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		<b>11. Endangered Species Act: (Give details in Item 13 or on a separate page, properly identified and attached to this form)</b> Identify the counties where this pesticide will be used. If Statewide, indicate "all." Provide a list of Federally protected endangered/threatened species which occur in the area of proposed use.		
<b>Signature of Applicant or Authorized Representative</b> <i>Theresa K. Hass for</i> Title <i>Michael R. Dupre</i> Registration Manager, North America		<b>12. Indicate use status of Special Local Need, i.e., planned dates of use:</b> From: June 15 To: October 30th		
<b>Telephone Number</b> (203) 573-2462		<b>13. Comments (attach additional sheet, if needed)</b> SLN for harvest aid applications on cotton in Texas		
<b>Determination by State Agency</b> This registration is for a Special Local Need and is being issued in accordance with section 24(c) of FIFRA, as amended. To the best of our knowledge, the information above is correct, except as noted in "Comments" below or in attachments.				
<b>Name, Title, and Address of State Agency Official</b> Ambrose Charles Texas Department of Agriculture 12847 P.O. Box Austin, TX 78711		<b>Comments (by State Agency Only)</b>		<b>Received by EPA</b>
<b>Title</b> Deputy Assistant Commissioner				
<b>Telephone Number</b> 512 463-7699		<b>Date</b> 7-7-2008		

**RESTRICTED USE PESTICIDE.**

Due to acute toxicity,

For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

**FIFRA Section 24(c) Supplemental Label  
PARAQUAT SL Herbicide™**

**FOR DISTRIBUTION AND USE  
ONLY WITHIN THE STATE OF TEXAS**

**EPA Reg. No. 82557-1**

**EPA SLN No. TX-080019**

**FOR HARVEST AID APPLICATIONS ON COTTON IN TEXAS  
(EXCEPT IN THE COUNTIES OF STARR, HIDALGO, WILLACY, AND CAMERON)**

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- Follow all applicable directions, restrictions, and precautions, including statements pertaining to the Worker Protection Standards, on the EPA-registered product label.
- This label must be in the possession of the user at the time of application.

Failure to follow the directions for use and precautions on this label may result in poor pest control, crop injury, or illegal residues.

**DIRECTIONS FOR USE: Harvest Aid Applications on Cotton in Texas (except in the counties of Starr, Hidalgo, Willacy, and Cameron)**

Three multiple broadcast harvest aid applications of PARAQUAT SL may be used. **Do not exceed a total of 2 pints (0.75 lb. active ingredient) per acre per crop season.** Use a minimum total spray volume per acre of 10 gallons by ground, and 5 gallons by air.

Crop	PARAQUAT SL Rate per Acre	Precautions, Restrictions and Comments
Tank mixes with phosphate or chlorate defoliant	5.4 - 10.7 fl. oz. (0.13 to 0.25 lb a.i.) alone or tank mixed with 1½ - 2 gallons chlorate or 1½ - 2 pints phosphate	<ul style="list-style-type: none"> <li>• Do not harvest within 7 days of application when used with phosphate or chlorate defoliant.</li> <li>• In desert cotton areas or on rank vigorous cotton, use the 10.7 fl oz. (0.25 lb a.i.) rate of PARAQUAT SL.</li> <li>• Apply when 75% or more of the bolls are open and remaining bolls to be harvested are mature.</li> <li>• Development of immature bolls will be inhibited.</li> <li>• Follow the Harvest Aid Use Precautions listed on the Federal label.</li> </ul>
Tank mixes for boll opening and defoliation of Southern cotton	2.7 to 3.3 fl. oz. (0.06 to 0.08 lb a.i.)	<ul style="list-style-type: none"> <li>• To aid in defoliation and opening of mature bolls, PARAQUAT SL may be tank mixed with the following products: DEF® defoliant, Dropp® defoliant, Prep™ PGR, Folex® defoliant, Accelerate® defoliant</li> <li>• Apply when 60% or more of the bolls are open and remaining bolls to be harvested are mature.</li> <li>• Development of immature bolls will be inhibited.</li> <li>• Refer to tank mix product label for rate, directions, limitations and precautions.</li> </ul>
Harvest aid for defoliation and boll opening of stripper or spindle-harvested cotton	2.1 to 7.5 fl. oz. (0.05 to 0.18 lb a.i.)	<ul style="list-style-type: none"> <li>• Apply when 75% or more of the bolls are open and remaining bolls to be harvested are mature.</li> <li>• Development of immature bolls will be inhibited. Slice bolls and inspect the seed for maturity.</li> <li>• PARAQUAT SL may be applied alone or tank mixed with the cotton harvest aid products listed above.</li> <li>• To avoid leaf sticking, apply PARAQUAT SL as a desiccant approximately 3 to 7 days after defoliation or a conditioning application and 7 to 14 days before harvest.</li> <li>• Cooler temperatures may cause longer waiting period between application of PARAQUAT SL as a desiccant and a subsequent defoliation/conditioning treatment.</li> <li>• Lower rates in the range may be necessary south of I-10 in Texas where temperatures are typically higher during defoliation.</li> </ul>
Late season harvest aid desiccation of stripper cotton or spindle-harvested cotton	11.2 to 21 fl. oz. (0.26 to 0.49 lb a.i.)	<ul style="list-style-type: none"> <li>• Use to desiccate regrowth occurring after defoliation or desiccation.</li> <li>• Apply when 85% of the bolls are open and the remaining bolls to be harvested are mature.</li> <li>• Development of immature bolls will be inhibited. Slice bolls and inspect the seed for maturity.</li> <li>• To avoid leaf sticking, apply PARAQUAT SL as a desiccant approximately 3 to 7 days after defoliation or a conditioning application and 7 to 14 days before harvest.</li> <li>• Lower rates in the range may be necessary south of I-10 in Texas where temperatures are typically higher during defoliation.</li> </ul>
Desiccation of regrowth	11.2 to 21 fl. oz. (0.26 to 0.49 lb a.i.)	<ul style="list-style-type: none"> <li>• Use to desiccate regrowth occurring after defoliation or desiccation.</li> <li>• Regrowth is difficult to control, therefore, thorough coverage with the full recommended rate is necessary.</li> <li>• Control is dependent upon growing condition and desiccation of small new growth may not always be complete.</li> <li>• Use higher rate if regrowth is excessive.</li> </ul>

Refer to the PARAQUAT SL federal label for additional cotton recommended uses and nonionic surfactant recommendations.

**Additional Precautions, Restrictions and Comments:**

- Because of extremes in environmental and plant conditions, it is advisable to apply the range of rates on a small block of cotton to determine the rate that best fits your needs.
- Do not pasture lactating dairy animals.
- Do not pasture livestock in treated fields or feed treated foliage.
- When combined with phosphate defoliant, observe livestock precautions listed on the phosphate label.
- Do not harvest within 7 days of application when used with phosphate or chlorate defoliant.

**Do not apply this product through any type of irrigation system.**

**This bulletin contains new or supplemental instructions for use of the product which may not appear on the package label.**

**24(c) REGISTRANT:**

Sinon USA Inc.

1080 Carol Lane, Suite 264

Lafayette, CA 94549

PARAQUAT SL Herbicide™ is a trademark of Sinon USA Inc.

ACCELERATE® is a registered trademark of Cerexagri, Inc.

DEF®, DROPP®, PREP™ are trademarks of Bayer CropScience

FOLEX® is a registered trademark of AMVAC Chemical Corporation

# TEXAS DEPARTMENT OF AGRICULTURE

TODD STAPLES  
COMMISSIONER



July 7, 2008

Ms. Barbara Purnell  
Document Processing Desk (SLN)  
Office of Pesticide Programs - H7504C  
U.S. Environmental Protection Agency  
Aerial Rios Building  
1200 Pennsylvania Ave. NW  
Washington, D.C. 20460

Dear Ms. Purnell:

Subject: FIFRA Section 24(c)" Me-Too" label for Paraquat SL Herbicide, (EPA Reg. No. 82557-1) for harvest aid applications on cotton in Texas (except in the counties of Starr, Hidalgo, Willacy and Cameron).

Enclosed is a FIFRA Section 24(c) "Me-Too" label from Chemtura Corporation for the SLN registration of paraquat herbicide originally registered by Syngenta CropProtection as Gramoxone Max (EPA Reg. No. 100-1074) and then subsequently as Gramoxone Inteon EPA Reg. No. 100-1217). This label is identical to the Syngenta label in rates applied of lbs ai/acre. In addition, we are supplying you with copies of the federally registered product label for your information to support this registration.

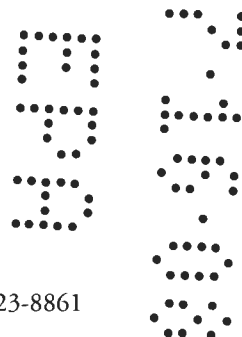
This proposed Me-Too SLN label will amend the federal label to authorize the use of Paraquat SL Herbicide as a harvest aid for cotton in Texas except in the following counties: Cameron, Starr, Hidalgo, and Willacy. This product label is registered as a trademark of Sinon USA Inc and will not be sold in Texas but will provide for the parent label for Chemtura's Firestorm product.

The Texas Department of Agriculture hereby approves this FIFRA Section 24(c) application as of this date and assigns EPA SLN No. TX-080019.

Sincerely Yours,

A handwritten signature in black ink, appearing to read "Ambrose Charles", is written over the typed name.

Ambrose Charles  
Deputy Assistant Commissioner  
Pesticide Programs Division





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

July 17, 2008

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Texas Department of Agriculture  
P.O. Box 12847  
Austin, TX 78711

ATTN: Ambrose Charles, Deputy Assistant Commissioner

Dear State Agency:

The Office of Pesticide Programs acknowledges receipt of the Section 24(c) application/notification for TX080019.

The package is being forwarded to the Product Manager for review.

To ensure that the Agency receives proper notification of your 24(c) applications/notifications it is necessary to use the correct mailing address. All new 24(c) applications should be sent to the following:

Document Processing Desk (SLN)  
Office of Pesticide Programs -7504P  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Avenue, N.W.  
Washington, DC 20460

If you have any questions concerning the administrative screening of the package please contact the Front End Unit at (703)305-5780.

Sincerely,

A handwritten signature in black ink, appearing to read "B. J. Rumer".

Front End Processing Staff  
Information Services Branch  
Information Technology & Resources Management Division